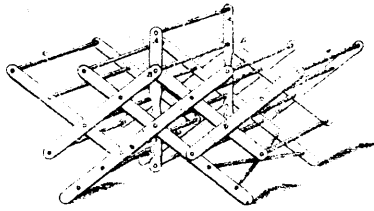
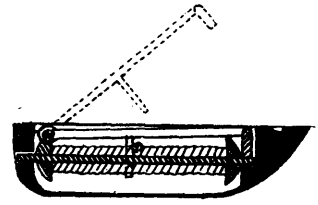


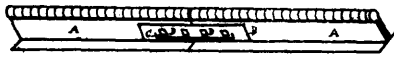
3103 Stevens' Improvements on Shears for Cutting Bars of Iron.



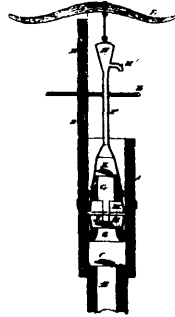
3105 Wilson's Improvements on Clothes Racks.



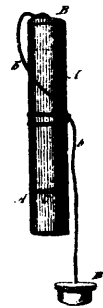
3106 Young's Improvements on Sewing Machine Shuttles.



3107 Culham's Improvements on Nut Fasteners of Railway Rails.



3108 Munsinger's Improvements on Pumps.



3109 Cutler's Improvements in Portable Inhaling Tubes.



Fig. 2.

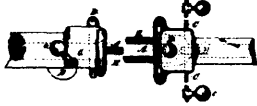
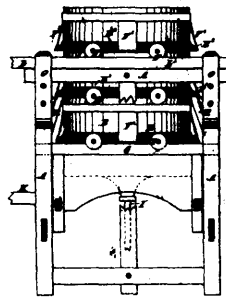
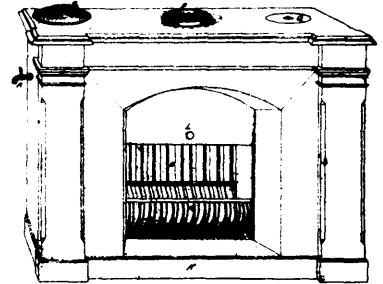


Fig. 3. Fig. 4.

3110 Tait's Improvements in Car-Couplings.



3111 McKenzie's Improvements on Leaching Apparatus.



3112 Halon's Portable Range.

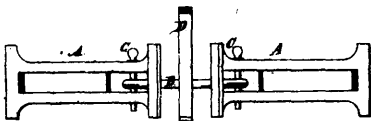


Fig. 1.

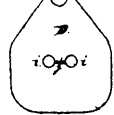
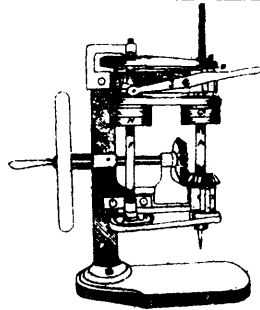
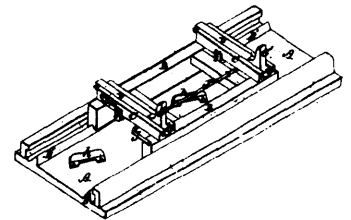


Fig. 2.

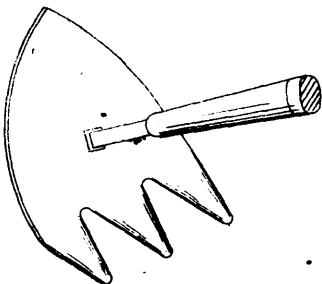
3113 Anderson's Improvements on Couplings for Railway Cars.



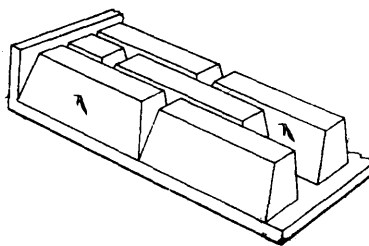
3114 Tufford's Machine for Drilling Iron or Steel.



3115 Getty, Mendenhall & Barton's Head Block for Saw-Mills.



3116 Barnes' Improvements on Hoes.



3117 Defoe's Improvements on Wood Pavements.

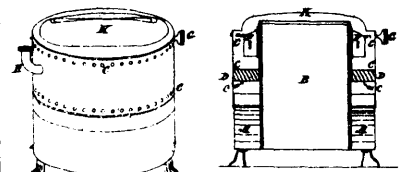


Fig. 3.

Fig. 4.

3118 Tredale's Improvements on Coal Oil Stoves and Lamps.